

# **DART SERVICE INSTRUCTION**

TO AMEND OWNER'S & OVERHAUL PROCEDURE MANUAL  
O&OPM-C10 REV. 4 OR LATER APPROVED REVISIONS

## **1.0 PURPOSE**

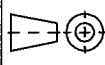
The purpose of this DART Service Instruction (DSI) is to provide instructions for installing the DSI 9835-011 Release Knob Guard Kit. The Release Knob Guard Kit can be installed on any C10 Keeper Remote Cargo Hook or C10-K Keeperless Remote Cargo Hook.

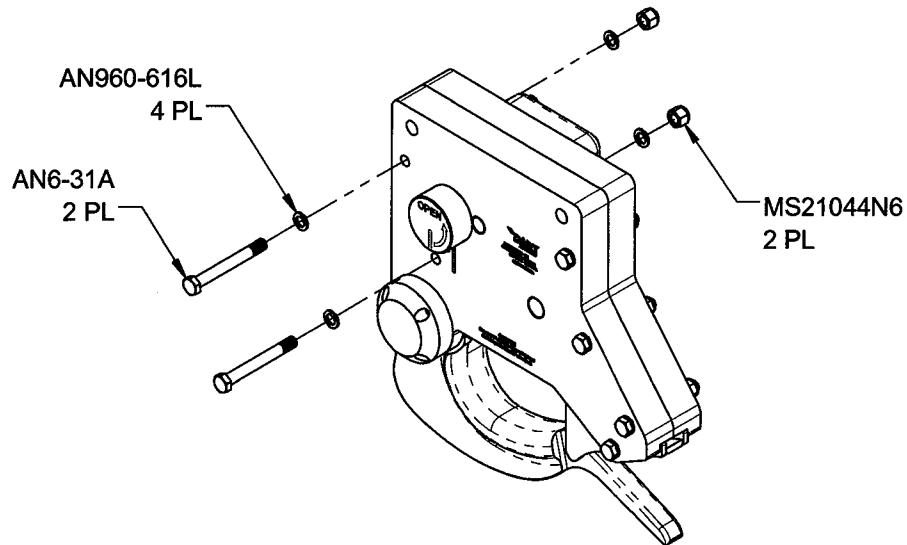
## **2.0 PROCEDURE (APPLICABLE TO C10/C10-K)**

- 2.1 Remove and discard the 600.1309 Label or 600.1309-A Label and C2-14-2 Label Rivets, if installed. Proceed to Section 2.2 if the Label and Label Rivets are not installed on the Remote Cargo Hook. The information on the Label (P/N, S/N, and Capacity) must be engraved using an engraving pen, or metal stamped, on the C10-1 Side Plate Solenoid Side or C10-2 Side Plate - MRK. The Label information should not be engraved or metal stamped on the lateral surfaces of the Side Plate Solenoid Side or the Side Plate - MRK.
- 2.2 Remove and discard the MS21044N6 Nuts, AN960-616L Washers, and AN6-31A Bolts from the Remote Cargo Hook as shown in Figure 1.
- 2.3 Apply Rust Inhibitor LPS 3 on grip and threads of the AN6-33A Bolts.
- 2.4 Install the C10-100 Release Knob Guard onto the Remote Cargo Hook using the AN6-33A Bolts, NAS1149F0663P Washers, and MS21044N6 Nuts as shown in Figure 2.
- 2.5 Torque the MS21044N6 Nuts to 160-190 in-lbs (18.0-21.4 N-m).

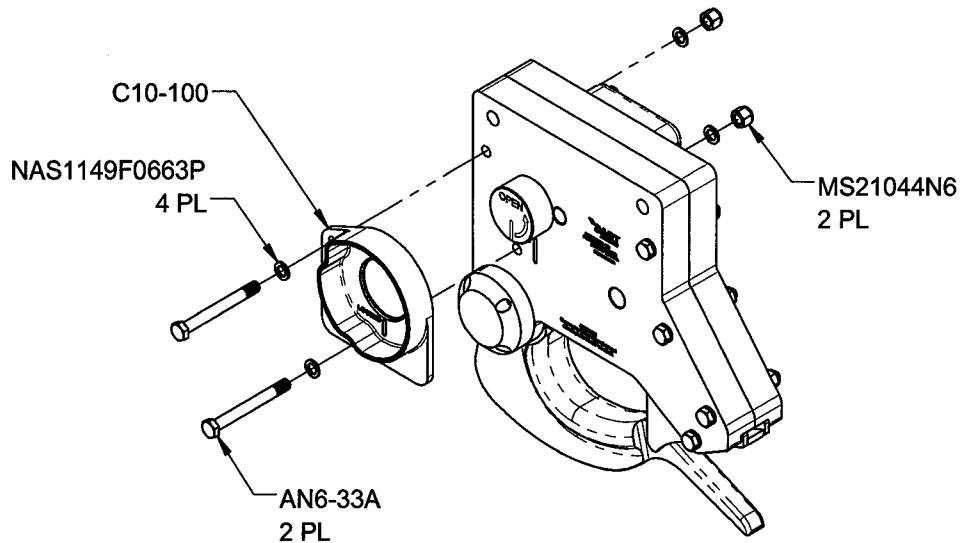
## **3.0 PARTS LIST**

| QTY<br>-011 | PART NUMBER   | DESCRIPTION            |
|-------------|---------------|------------------------|
| X           | DSI 9835-011  | RELEASE KNOB GUARD KIT |
| 1           | C10-100       | RELEASE KNOB GUARD     |
| 2           | AN6-33A       | BOLT                   |
| 2           | MS21044N6     | NUT                    |
| 4           | NAS1149F0663P | WASHER                 |

|  |             |  |   |
|--|-------------|--|---|
| A  | NEW ISSUE   | 2020-530   | KPT   |
| REV.   | DESCRIPTION | ECN #  | BY  |
| DESIGN   | KPT         | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |   |
| DRAWN  | KPT         |  |   |
| CHECKED  | PM          | DRAWING NO.  | REV. A  |
| MFG. APPR.   | N/A         | DSI 9835   | SHEET 1 OF 3  |
| APPROVED   | <i>QP</i>   | TITLE  | SCALE   |
| DATE   | 2/27/2020   | C10/C10-K<br>RELEASE KNOB GUARD INSTALLATION             | NTS  |
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**FIGURE 1: REMOTE CARGO HOOK HARDWARE REMOVAL**  
(ELECTRICAL WIRES NOT SHOWN FOR CLARITY)



**FIGURE 2: RELEASE KNOB GUARD INSTALLATION**  
(ELECTRICAL WIRES NOT SHOWN FOR CLARITY)

|            |                    |  |              |
|------------|--------------------|--|--------------|
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| MFG. APPR. | N/A                | DSI 9835   | SHEET 2 OF 3 |
| APPROVED   | <i>[Signature]</i> | TITLE  | SCALE        |
| DATE       | 2/27/2020          | C10/C10-K  | NTS          |
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#### **4.0 WEIGHT AND BALANCE**

The installation of the Release Knob Guard Kit has negligible affect on the aircraft's weight and balance.

#### **5.0 MAINTENANCE**

The Release Knob Guard must be checked for excessive wear, abuse, or damage prior to use.  
Refer to O&OPM-C10 for additional inspection and maintenance procedures.

|  |           |  |   |
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| DRAWN  | KPT       |  |   |
| CHECKED  | PM        | DRAWING NO.  | REV. A  |
| MFG. APPR.   | N/A       | DSI 9835   | SHEET 3 OF 3  |
| APPROVED   | <i>47</i> | TITLE  | SCALE   |
| DATE 2/27/2020   |           | C10/C10-K  | NTS   |
|  |           | RELEASE KNOB GUARD INSTALLATION                          |  |
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